DEPARTMENT OF THE INTERIOR MONTANA-POWDER RIVER CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY 4875 I SW (VOLBORG) 105°37′30″ 45°45′ 105°45′ R48E R49E 42'30" 13 14 18 16 15 13 17 20 24 19 24 21 22 23 29 25 30 26 27 28 25 42'30" 42'30" 35 32 34 33 31 36 TIS T 2 S T2S 3 10 12 NOTE: No mining-ratio contours are shown on this map because in this quadrangle all of the coal 5 feet (1.5 m) or more thick in this bed is found below the stripping-limit. 17 18 13 19 24 35 105°37′30″ Base map from U.S. Geological Survey, 1973 SCALE 1:24 000 7000 FEET 1 KILOMETRE 1 5 0 MONTANA UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

UNITED STATES

COAL RESOURCE OCCURRENCE MAP OF THE BOX ELDER CREEK
QUADRANGLE, POWDER RIVER COUNTY, MONTANA
BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

OPEN FILE REPORT 79-081 PLATE !4 OF I6

BOX ELDER CREEK QUADRANGLE

OPEN-FILE REPORT
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

EXPLANATION

OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. Isopach interval 100 feet

(30.5 m).

BOUNDARY OF COAL 5 FEET OR MORE THICK—
Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick.

434

DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

U D

FAULT—Dashed where approximately located. U, upthrown side; D, downthrown side.

MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

To convert yds<sup>3</sup>/ton to m<sup>3</sup>/metric ton, multiply yds<sup>3</sup>/ton by 0.842.

To convert feet to meters, multiply feet by 0.3048.